WHAT IS CLAIMED IS:

- 1. A method for inhibiting the growth of a Staphylococcal or Haemophilus species comprising contacting said species with a peptide comprising the sequence 5 KQRDSRSGYTAPTLV (SEQ ID NO:1), KKSHHPSSEWGLNLT (SEQ ID NO:2), GRHRTSVPTDEVFIT (SEQ ID NO:3), KQRTSIRATEGCLPS (SEQ ID NO:4), RNHGTDRATTIPPLS (SEQ ID NO:5), GSRGKHTFVRPTLVF (SEQ ... FISYSSPSHMGARMR (SEQ IDNO:7) and/or ID NO:6), 10 VVFLSSRNSAVFTDF (SEQ ID NO:8).
 - 2. The method of claim 1, wherein said peptide comprises the sequence KQRDSRSGYTAPTLV (SEQ ID NO:1).
 - 3. The method of claim 1, wherein said peptide comprises the sequence KKSHHPSSEWGLNLT (SEQ ID NO:2).
- The method of claim 1, wherein said peptide comprises the sequence GRHRTSVPTDEVFIT (SEQ ID NO:3).
 - 5. The method of claim 1, wherein said peptide comprises the sequence KQRTSIRATEGCLPS (SEQ ID NO:4).
- 6. The method of claim 1, wherein said peptide comprises the sequence RNHGTDRATTIPPLS (SEQ ID NO:5).
 - 7. The method of claim 1, wherein said peptide comprises the sequence VVFLSSRNSAVFTDF (SEQ ID NO:6).
 - 8. The method of claim 1, wherein said peptide comprises the sequence GSRGKHTFVRPTLVF (SEQ ID NO:7).
- 25 9. The method of claim 1, wherein said peptide comprises the sequence FISYSSPSHMGARMR (SEQ ID NO:8).
 - 10. The method of claim 1, wherein said species is a Staphyloccocal species.

- 11. The method of claim 10, wherein said *Staphylococcal* species is *S. aureus*.
- 12. The method of claim 1, wherein said species a *Haemophilus* species.
- 13. The method of claim 12, wherein said *Haemophilus* species is *H. influenzae*.
- 14. The method of claim 13, wherein said *H. influenzae* species is non-typeable *H. influenzae*.
 - 15. The method of claim 1, wherein said peptide is between 15 and about 50 residues in length.
 - 16. The method of claim 1, wherein said peptide is between about 15 and 25 residues in length.
- 10 17. The method of claim 1, wherein said peptide is 15 residues in length.
 - 18. The method of claim 1, further comprising contacting said species with a chemopharmaceutical antibiotic.
- 19. A method for treating a bacterial infection in a subject comprising contacting said subject with a peptide comprising the sequence KQRDSRSGYTAPTLV (SEQ ID NO:1), KKSHHPSSEWGLNLT (SEQ ID NO:2), GRHRTSVPTDEVFIT (SEQ ID NO:3), KQRTSIRATEGCLPS (SEQ ID NO:4), RNHGTDRATTIPPLS (SEQ ID NO:5), GSRGKHTFVRPTLVF (SEQ ID NO:6), FISYSSPSHMGARMR (SEQ ID NO:7) and/or VVFLSSRNSAVFTDF (SEQ ID NO:8) in an amount sufficient to inhibit the growth of bacteria in vivo.
- 20. The method of claim 1, wherein said peptide comprises the sequence KQRDSRSGYTAPTLV (SEQ ID NO:1).
 - 21. The method of claim 1, wherein said peptide comprises the sequence KKSHHPSSEWGLNLT (SEQ ID NO:2).
- 22. The method of claim 1, wherein said peptide comprises the sequence GRHRTSVPTDEVFIT (SEQ ID NO:3).

- 23. The method of claim 22, wherein said peptide comprises the sequence KQRTSIRATEGCLPS (SEQ ID NO:4).
- 24. The method of claim 22, wherein said peptide comprises the sequence RNHGTDRATTIPPLS (SEQ ID NO:5).
- 5 25. The method of claim 22, wherein said peptide comprises the sequence VVFLSSRNSAVFTDF (SEQ ID NO:6).
 - 26. The method of claim 22, wherein said peptide comprises the sequence GSRGKHTFVRPTLVF (SEQ ID NO:7).
- The method of claim 22, wherein said peptide comprises the sequence FISYSSPSHMGARMR (SEQ ID NO:8).
 - The method of claim 22, wherein said species is a *Staphyloccocal* species.
 - 29. The method of claim 22, wherein said Staphylococcal species is S. aureus.
 - 30. The method of claim 22, wherein said species a *Haemophilus* species.
 - 31. The method of claim 30, wherein said *Haemophilus* species is *H. influenzae*.
- The method of claim 31, wherein said *H. influenzae* species is non-typeable *H. influenzae*.
 - 33. The method of claim 22, wherein said peptide is between 15 and about 50 residues in length.
- 34. The method of claim 22, wherein said peptide is between about 15 and 25 residues in length.
 - 35. The method of claim 22, wherein said peptide is 15 residues in length.
 - 36. The method of claim 22, wherein said peptide is delivered local or regional to a site of infection.

- 37. The method of claim 36, wherein said peptide is administered to a wound site.
- 38. The method of claim 36, wherein said peptide is administered topically.
- 39. The method of claim 22, wherein said peptide is delivered systemically.
- 40. The method of claim 39, wherein said peptide is delivered via intravenous or intraarterial injection.
 - 41. The method of claim 22, further comprising administering to said subject a chemopharmaceutical antibiotic.
- 42. A method for preventing a bacterial infection in a subject comprising contacting said subject with a peptide comprising the sequence KQRDSRSGYTAPTLV (SEQ ID NO:1), KKSHHPSSEWGLNLT (SEQ ID NO:2), GRHRTSVPTDEVFIT (SEQ ID NO:3), KQRTSIRATEGCLPS (SEQ ID NO:4), RNHGTDRATTIPPLS (SEQ ID NO:5), GSRGKHTFVRPTLVF (SEQ ID NO:6), FISYSSPSHMGARMR (SEQ ID NO:7) and/or VVFLSSRNSAVFTDF (SEQ ID NO:8) in an amount sufficient to inhibit the growth of bacteria in vivo.
- 15 A method for preventing bacterial growth in a solution comprising mixing said 43. solution with a peptide comprising the sequence KQRDSRSGYTAPTLV (SEQ ID NO:1), KKSHHPSSEWGLNLT (SEQ ID NO:2), GRHRTSVPTDEVFIT (SEQ ID NO:3), KQRTSIRATEGCLPS (SEQ ID NO:4), RNHGTDRATTIPPLS GSRGKHTFVRPTLVF (SEQ IDNO:6), (SEQ IDNO:5). FISYSSPSHMGARMR (SEQ ID NO:7) and/or VVFLSSRNSAVFTDF (SEQ ID 20 NO:8) in an amount sufficient to inhibit the growth of bacteria in vivo.
 - 44. A method for preventing bacterial attachment or growth on an abiotic surface comprising coating said surface with a peptide comprising the sequence KQRDSRSGYTAPTLV (SEQ ID NO:1), KKSHHPSSEWGLNLT (SEQ ID NO:2), GRHRTSVPTDEVFIT (SEQ ID NO:3), KQRTSIRATEGCLPS (SEQ ID NO:4), RNHGTDRATTIPPLS (SEQ ID NO:5), GSRGKHTFVRPTLVF (SEQ ID NO:6), FISYSSPSHMGARMR (SEQ ID NO:7) and/or

VVFLSSRNSAVFTDF (SEQ ID NO:8) in an amount sufficient to inhibit the growth of bacteria *in vivo*.

- 45. The method of claim 44, wherein said surface is part of a medical device.
- 46. The method of claim 45, wherein said medical device is a syringe, a stent, a catheter, fluid container, a pacemaker, or an implantable pump.
- 47. A medical device, a surface of which is coated with a peptide comprising the sequence KQRDSRSGYTAPTLV (SEQ ID NO:1), KKSHHPSSEWGLNLT (SEQ ID NO:2), GRHRTSVPTDEVFIT (SEQ ID NO:3), KQRTSIRATEGCLPS (SEQ ID NO:4), RNHGTDRATTIPPLS (SEQ ID NO:5),
 10 GSRGKHTFVRPTLVF (SEQ ID NO:6), FISYSSPSHMGARMR (SEQ ID NO:7) and/or VVFLSSRNSAVFTDF (SEQ ID NO:8) in an amount sufficient to inhibit the growth of bacteria in vivo.
 - 48. The device of claim 47, wherein said medical device is a syringe, a stent, a catheter, fluid container, a pacemaker, a bandage, or an implantable pump.
- The device of claim 47, wherein said medical device is coated with a second antibiotic agent.
 - 50. A method of screening a phage display library against intact virulent Haemophilus influenzae comprising:
 - (a) providing a phage library;
- 20 (b) providing intact virulent *H. influenzae*;
 - (c) contacting said phage library with said *H. influenzae*;
 - (d) obtaining phage bound to said *H. influenzae*; and
 - (e) determining the sequence of a peptide expressed in said phage library that binds to said *H. influenzae*.

- 51. The method of claim 50, further comprising performing subtractive affinity selection of bound phage against avirulent *H. influenzae*.
- 52. The method of claim 50, further comprising assessing the effect of a peptide that binds said *H. influenzae* on bacterial surface adherence.
- 5 53. The method of claim 50, further comprising assessing the effect of a peptide that binds said *H. influenzae* on bacterial growth.
 - 54. The method of claim 50, further comprising assessing surface adherence or growth of a second bacterial species in the presence of said peptide.
 - 55. The method of claim 50, wherein steps (c) and (d) are repeated at least once.
- 10 56. A peptide identified according to a method comprising the steps of:
 - (a) providing a phage library;
 - (b) providing intact virulent *H. influenzae*;
 - (c) contacting said phage library with said *H. influenzae*;
 - (d) obtaining phage bound to said *H. influenzae*;
- 15 (e) performing subtractive affinity selection against avirulent *H. influenzae*; and
 - (f) determining the sequence of a peptide expressed in said phage library that binds to said *H. influenzae*.
- 20 57. An isolated peptide of 15 to about 50 residues comprising the sequence KQRDSRSGYTAPTLV (SEQ ID NO:1), KKSHHPSSEWGLNLT (SEQ ID NO:2), GRHRTSVPTDEVFIT (SEQ ID NO:3), KQRTSIRATEGCLPS (SEQ ID NO:4), RNHGTDRATTIPPLS (SEQ ID NO:5), VVFLSSRNSAVFTDF (SEQ ID NO:6), GSRGKHTFVRPTLVF (SEQ ID NO:7), or FISYSSPSHMGARMR (SEQ ID NO:8).

- 58. A method for identifying a bacterial receptor comprising:
 - (a) providing a sample suspected of comprising a bacterial receptor;
 - (b) providing a peptide comprising the sequence KQRDSRSGYTAPTLV (SEQ ID NO:1), KKSHHPSSEWGLNLT (SEQ ID NO:2), GRHRTSVPTDEVFIT (SEQ ID NO:3), KQRTSIRATEGCLPS (SEQ ID NO:4), RNHGTDRATTIPPLS (SEQ ID NO:5), VVFLSSRNSAVFTDF (SEQ ID NO:6), GSRGKHTFVRPTLVF (SEQ ID NO:7), or FISYSSPSHMGARMR (SEQ ID NO:8);

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- (c) contacting said sample with said peptide; and
- (d) identifying a receptor that binds to said peptide.
- 59. The method of claim 58, wherein said sample is a whole bacterium.

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- 60. The method of claim 58, wherein said sample is a bacterial cell wall.
- 61. The method of claim 58, wherein said peptide is fixed to a support.
- 20 62. The method of claim 61, wherein said support is a filter, a column, a bead, a dipstick or a gel.
 - 63. The method of claim 58, further comprising degradative sequencing of said identified receptor.

- 64. The method of claim 63, further comprising designing a degenerative probe based on the sequence of said identified receptor.
- The method of claim 64, further comprising using said degenerative probe to identify the gene encoding said identified receptor.